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(71) Applicant (for all designated States except US): HANRIM SCIENCE & TECHNOLOGY [KR/KR]; Hantong B/D 10F, 16-60 Hangangro3-ga, Yongsan-ku, Seoul 140-013 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): NAMGUNG, Balentino [KR/KR]; 1001-102 Jugong Apt., 1120 Sanbon-dong Gunpo-si, Gyeonggi-do 435-040 (KR).

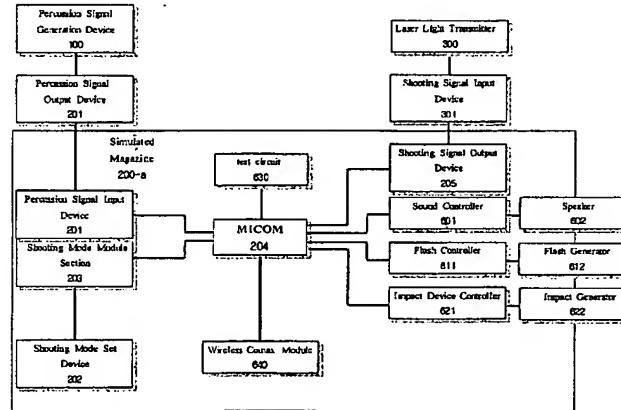
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(54) Title: A STRUCTURE OF DETECTING DEVICE USED IN MILES SYSTEM AND GUN SIMULATOR



(57) Abstract: Disclosed is a detecting device for hit determination by detecting a light shot from a transmitter. The detecting device according to the invention comprises a plurality of detecting elements. Each detecting element includes an optical detector cell of a planar shape for generating an electric signal when detecting a light, a protection case of a cylindrical shape for supporting the optical detector cell housed inside thereof a set of lead wires, each of which being electrically connected to an anode electrode and a cathode electrode of the optical detector cell for supplying the electric signal generated from the optical detector cell to hit determination means, and a protection shield located on a front light detecting surface of the optical detector cell for protecting the optical detector cell from external environment and passing the light. The protection case of a cylindrical shape has an open front surface. The optical detector cell of a planar shape has a light detecting front surface adjacent to the open front surface of the protection case, and a rear surface supported by a packing material packed inside of the protection case. The set of lead wires is elongated from the rear surface of the optical detector cell and protected by the packing material.

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